



## Summary of Studies Supporting USDA Product Licensure

Establishment Name	ARKO Laboratories, Ltd.
USDA Vet Biologics Establishment Number	337
Product Code	19A1.01
True Name	Salmonella Choleraesuis Vaccine, Avirulent Live Culture
Tradename(s) / Distributor or Subsidiary (if different from manufacturer)	NITRO-SAL F.D. - No distributor specified
Date of Compilation Summary	February 26, 2019

**Disclaimer: Do not use the following studies to compare one product to another. Slight differences in study design and execution can render the comparisons meaningless.**

<b>Study Type</b>	Efficacy
<b>Pertaining to</b>	Salmonella choleraesuis
<b>Study Purpose</b>	Demonstrate efficacy against Salmonella choleraesuis
<b>Product Administration</b>	
<b>Study Animals</b>	Swine
<b>Challenge Description</b>	
<b>Interval observed after challenge</b>	
<b>Results</b>	Study data were evaluated by USDA-APHIS prior to product licensure and met regulatory standards for acceptance at the time of submission. Study data, however, are no longer available.
<b>USDA Approval Date</b>	May 1, 1996

<b>Study Type</b>	Safety
<b>Pertaining to</b>	Salmonella choleraesuis
<b>Study Purpose</b>	Demonstrate safety under field conditions
<b>Product Administration</b>	
<b>Study Animals</b>	Swine
<b>Challenge Description</b>	
<b>Interval observed after challenge</b>	
<b>Results</b>	Study data were evaluated by USDA-APHIS prior to product licensure and met regulatory standards for acceptance at the time of submission. Study data, however, are no longer available.
<b>USDA Approval Date</b>	May 1, 1996